

Message

From: Acheson, Carolyn [Acheson.Carolyn@epa.gov]
Sent: 11/28/2017 4:11:43 PM
To: Barth, Edwin [Barth.Ed@epa.gov]; Berkoff, Michael [berkoff.michael@epa.gov]; Maurice, Charles [maurice.charles@epa.gov]
CC: McKernan, John [McKernan.John@epa.gov]; Jordan, Page [jordan.page@epa.gov]; Zintek, Lawrence [zintek.lawrence@epa.gov]
Subject: RE: Tannery Waste Constituents

Hi Gentlemen,

Wolverine site was discussed in the NY Times on Saturday. You can read for yourself at:
<https://www.nytimes.com/2017/11/24/us/michigan-water-wolverine-contamination.html>

One thing brought up in the article is possible PFAS contamination from a National Guard site. Is this consistent with your information?

Thanks for the information so far. I can't say that I have processed it all, but it is helpful to understand the situation and available data.

Best wishes,
 Carolyn

From: Barth, Edwin
Sent: Tuesday, November 28, 2017 10:22 AM
To: Berkoff, Michael <berkoff.michael@epa.gov>; Maurice, Charles <maurice.charles@epa.gov>
Cc: Acheson, Carolyn <Acheson.Carolyn@epa.gov>; McKernan, John <McKernan.John@epa.gov>; Jordan, Page <jordan.page@epa.gov>
Subject: Tannery Waste Constituents

Attached is a listing of COCs from another site I have worked on recently. As I mentioned on the call, coloring agents / preservatives such as As, Cr, NH4 Cl, salts, and phenols seem to have been used. Besides these constituents, oil and grease, hair, etc. are present.

From other sites I recall TiO2, S, tanbark, oils

I do know anaerobic lagoons were commonly used to treat leather waste, so whether this is applicable to other areas on your site, I don't know.

For this site, I was asked to provide expertise on adding cement to the sludge as a remediation technique before redevelopment of the site, and I pointed out the limitations of that technology for several of the COCs as well as NH3 release, but I worked with the redevelopment group to come up with an acceptable formulation with the Region and state.

I cannot answer why more organics were not analyzed for during the investigation, so I would say this is not a complete list.

Note that no analysis on PFOA nor PFAS constituents were ever performed on this site to my knowledge.

As for inhalational anthrax concern, when I was more involved with bioaerosol collection methods, I had noted a study concerning Woollsorters' disease (goat hair cloth manufacturing) associated with a facility in New Hampshire in the 1950's.

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